

ABSTRACT

The present invention includes a microplate for performing crystallography studies. In particular, the microplate has a frame that includes a plurality of wells formed therein. Each well includes a first well and a second well. The first well includes a relatively large reservoir capable of receiving a reagent solution. The second well includes a relatively small reservoir having a substantially concaved form capable of receiving a protein solution and a reagent solution. The second well is suspended above the first well such that space on the plate is conserved and to enable protein crystal growth utilizing a hanging drop vapor diffusion crystallization process.